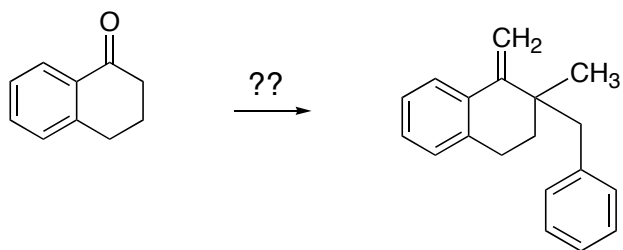
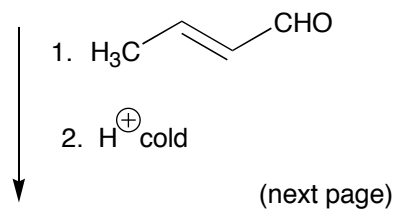
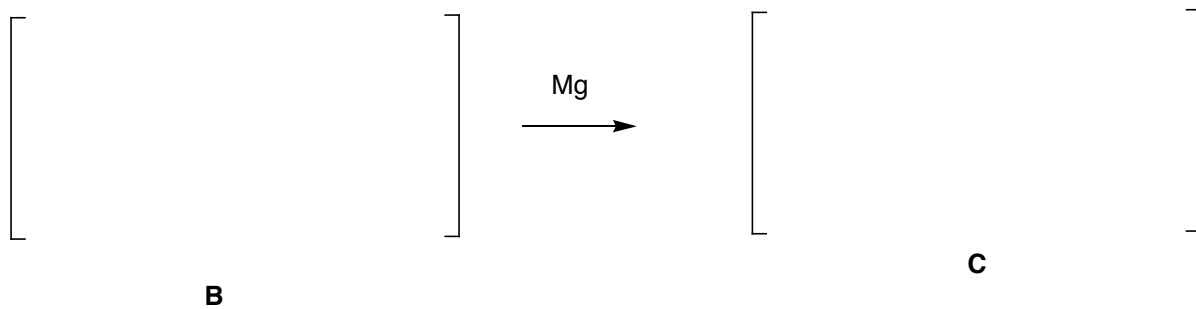
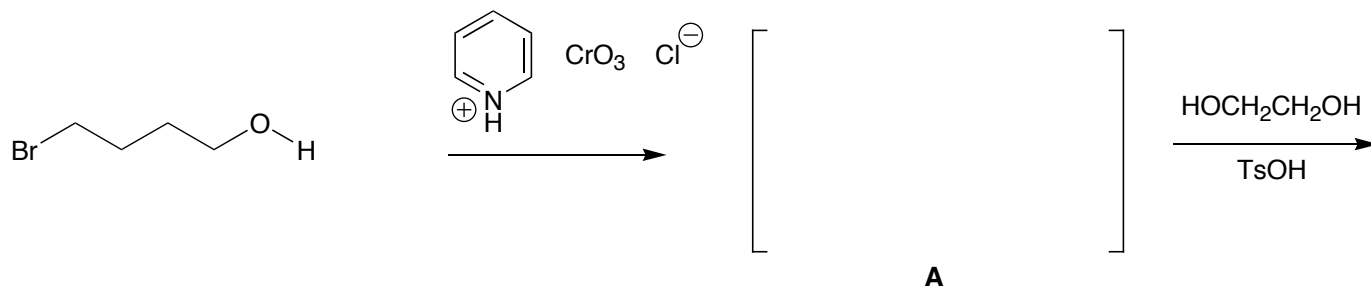


5. (15 pts) **Multistep Synthesis.** Provide reagents and the structures of all intermediates which are isolated.



6. (15 pts) Draw the structures of **A-F**. Hint: **E** is a cyclic compound.



(next page)